

ABSTRACT

The present invention proposes a process and a system permitting the visual scrambling of a video sequence and the recomposing (descrambling) of its original content from a digital video stream obtained by an encoding based on a wavelet transform [transform into wavelets]. The process for the secured distribution of video sequences in accordance with a digital stream format stems from a wavelet-based encoding constituted by frames comprising blocks containing wavelet coefficients describing the visual elements. An analysis of the stream is made prior to the transmission to the client equipment in order to generate a modified main stream by deletion and replacement of certain information coding the original stream and presenting the format of the original stream, and to generate complementary information of any format comprising the digital information coding the original stream and suitable for permitting the reconstruction of these modified frames, then this modified main stream and this complementary information generated in this manner are transmitted separately from the server to the addressed equipment and a synthesis of a stream in the nominal format is calculated in the addressed equipment as a function of this modified main stream and of this complementary information. The invention also relates to a system comprising at least one multimedia server containing the original video sequences, a device for analyzing the video stream, a device for separating the original video stream into a modified main stream and into complementary information as a function of this analysis and comprises at least one device in the addressed equipment for the reconstruction of the video stream as a function of this modified main stream and of this complementary information.